

Message

From: Kenneke, John [Kenneke.John@epa.gov]
Sent: 2/8/2017 4:12:10 PM
To: Behymer, Thomas [Behymer.Thomas@epa.gov]; Brunson, Gerald [Brunson.Gerald@epa.gov]; Buckley, Timothy [Buckley.Timothy@epa.gov]; Garland, Jay [Garland.Jay@epa.gov]; Gillespie, Andrew [Gillespie.Andrew@epa.gov]; Morgan, Ardra [Morgan.Ardra@epa.gov]; Biales, Adam [Biales.Adam@epa.gov]; Egeghy, Peter [Egeghy.Peter@epa.gov]; Johnson, Brent [Johnson.Brent@epa.gov]; Johnston, JohnM [Johnston.JohnM@epa.gov]; Jones, Jack [jones.jack@epa.gov]; Jones-Lepp, Tammy [jones-lepp.tammy@epa.gov]; Kaushik, Surender [Kaushik.Surender@epa.gov]; McDonald, Michael E. [McDonald.Michael@epa.gov]; Medina-Vera, Myriam [Medina-Vera.Myriam@epa.gov]; Morgan, Jeffrey [Morgan.Jeffrey@epa.gov]; Pleim, Jon [Pleim.Jon@epa.gov]; Roselle, Shawn [Roselle.Shawn@epa.gov]; Stanek, Lindsay [Stanek.Lindsay@epa.gov]; Stevens, Caroline [Stevens.Caroline@epa.gov]; Villegas, Eric [Villegas.Eric@epa.gov]; Alapaty, Kiran [Alapaty.Kiran@epa.gov]; Araujo, Rochelle [Araujo.Rochelle@epa.gov]; Bagley, Mark [Bagley.Mark@epa.gov]; Dufour, Alfred [Dufour.Alfred@epa.gov]; Mathur, Rohit [Mathur.Rohit@epa.gov]; Oshima, Kevin [Oshima.Kevin@epa.gov]; Pierce, Tom [Pierce.Tom@epa.gov]; Schumacher, Brian [Schumacher.Brian@epa.gov]; Whung, Pai-Yei [Whung.Pai-Yei@epa.gov]; Zartarian, Valerie [Zartarian.Valerie@epa.gov]; Zepp, Richard [Zepp.Richard@epa.gov]
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Subject: RE: NERL HHRA Webinar: New Findings on Cumulative Phthalate Exposure Using NHANES Biomonitoring Data"

February 14, 3:30 – 5:30 PM EDT

From: Kenneke, John
Sent: Wednesday, February 08, 2017 11:10 AM
To: Behymer, Thomas <Behymer.Thomas@epa.gov>; Brunson, Gerald <Brunson.Gerald@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Garland, Jay <Garland.Jay@epa.gov>; Gillespie, Andrew <Gillespie.Andrew@epa.gov>; Morgan, Ardra <Morgan.Ardra@epa.gov>; Biales, Adam <Biales.Adam@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>; Johnson, Brent <Johnson.Brent@epa.gov>; Johnston, JohnM <Johnston.JohnM@epa.gov>; Jones, Jack <jones.jack@epa.gov>; Jones-Lepp, Tammy <jones-lepp.tammy@epa.gov>; Kaushik, Surender <Kaushik.Surender@epa.gov>; McDonald, Michael E. <McDonald.Michael@epa.gov>; Medina-Vera, Myriam <Medina-Vera.Myriam@epa.gov>; Morgan, Jeffrey <Morgan.Jeffrey@epa.gov>; Pleim, Jon <Pleim.Jon@epa.gov>; Roselle, Shawn <Roselle.Shawn@epa.gov>; Stanek, Lindsay <Stanek.Lindsay@epa.gov>; Stevens, Caroline <Stevens.Caroline@epa.gov>; Villegas, Eric <Villegas.Eric@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Araujo, Rochelle <Araujo.Rochelle@epa.gov>; Bagley, Mark <Bagley.Mark@epa.gov>; Dufour, Alfred <Dufour.Alfred@epa.gov>; Mathur, Rohit <Mathur.Rohit@epa.gov>; Oshima, Kevin <Oshima.Kevin@epa.gov>; Pierce, Tom <Pierce.Tom@epa.gov>; Schumacher, Brian <Schumacher.Brian@epa.gov>; Whung, Pai-Yei <Whung.Pai-Yei@epa.gov>; Zartarian, Valerie <Zartarian.Valerie@epa.gov>; Zepp, Richard <Zepp.Richard@epa.gov>
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Subject: NERL HHRA Webinar: New Findings on Cumulative Phthalate Exposure Using NHANES Biomonitoring Data"

Thought you might be interested in some addition information on the webinar mentioned in the weekly EPA Research Compass; please share with those that may be interested.

The HHRA "science spotlight" in Q2 will be provided by Dr. Paul Price of NERL entitled "*New Findings on Cumulative Phthalate Exposure Using NHANES Biomonitoring Data*". This represents work in progress on one of the products in Project 6 (HHRA 3.23) – Cumulative Risk Assessment (CRA) Methods and Applications.

A screening cumulative risk assessment was performed for six phthalates using biomonitoring data from the most recent NHANES cycle (2013 and 2014). These data address exposures in adults and children ages six years and older. Toxicity values used in the assessment were taken from Christensen and Lorber (2014) and CPSC (2010). The assessment found

that 0.7% of the surveyed individuals had body burdens of potential concern (HI values greater than 1). The phthalates that were the most frequent drivers of large HI values were DEHP and its replacement DINP. A comparison to earlier cycles of NHANES we found a seven-fold drop in the number of individuals with HI values greater than 1. This was largely due to decreases in DEHP exposures over this time period. Future declines are not expected because DINP has become the major driver for HI values greater than 1 and DINP levels are rising over time. These finding may change if different toxicity values are used in the assessment. Individuals with HI values greater than 1 had exposures that were dominated by exposure to a single phthalate. The finding that a single phthalate dominates individual's exposures occurs because of the underlying pattern of exposures and is largely independent of the choice of toxicity values. These finding may not be relevant for infants and children under the age of six if those populations have different exposures then older children.

The presentation will be via webinar at the following URL:

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